

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB2004/002466

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F17/50 G06F15/78

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>BUTTS M: "FUTURE DIRECTIONS OF DYNAMICALLY REPROGRAMMABLE SYSTEMS" PROCEEDINGS OF THE CUSTOM INTEGRATED CIRCUITS CONFERENCE. SANTA CLARA, MAY 1 - 4, 1995, NEW YORK, IEEE, US, vol. CONF. 17, 1 May 1995 (1995-05-01), pages 487-494, XP000536848 ISBN: 0-7803-2585-0 abstract page 487, column 2, paragraphs 2,3 page 488, column 1, paragraph 5 page 492, column 1, paragraph 1-5 figures 2,4,5</p> <p style="text-align: center;">----- -/--</p>	1-13

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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* & * document member of the same patent family

Date of the actual completion of the international search

27 October 2004

Date of mailing of the international search report

09/11/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ROHRER M W: "AutoMod tutorial 'simulation package!" SIMULATION CONFERENCE, 2000. PROCEEDINGS. WINTER ORLANDO, FL, USA 10-13 DEC. 2000, PISCATAWAY, NJ, USA, IEEE, US, 10 December 2000 (2000-12-10), pages 170-176, XP010529269 ISBN: 0-7803-6579-8 abstract page 176, column 1, paragraph 2-8 -----	1-13
A	EP 0 651 343 A (QUICKTURN SYSTEMS INC) 3 May 1995 (1995-05-03) abstract page 58, paragraphs 1,2 figures 1,4 -----	1-13
T	DANIELSSON F ET AL: "Validation, off-line programming and optimisation of industrial control logic" MECHATRONICS, PERGAMON PRESS, OXFORD, GB, vol. 13, no. 6, July 2003 (2003-07), pages 571-585, XP004417203 ISSN: 0957-4158 abstract page 573, paragraph 4 - page 575, paragraph 4 page 578, paragraphs 6,7 page 580, paragraph 1 page 581, paragraph 3 figure 3 -----	1-13
A	SON Y J ET AL: "Automatic simulation model generation for simulation-based, real-time shop floor control" COMPUTERS IN INDUSTRY, ELSEVIER SCIENCE PUBLISHERS. AMSTERDAM, NL, vol. 45, no. 3, July 2001 (2001-07), pages 291-308, XP004254655 ISSN: 0166-3615 abstract page 303, column 1, paragraph 2 -----	1-13
A	RADHAKRISHNAN R ET AL: "External adjustment of runtime parameters in Time Warp synchronized parallel simulators" PARALLEL PROCESSING SYMPOSIUM, 1997. PROCEEDINGS., ILTH INTERNATIONAL GENVA, SWITZERLAND 1-5 APRIL 1997, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 1 April 1997 (1997-04-01), pages 260-266, XP010216791 ISBN: 0-8186-7793-7 abstract page 303, column 1, paragraph 2 ----- -/--	1-13

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 448 496 A (BUTTS MICHAEL R ET AL) 5 September 1995 (1995-09-05) abstract -----	1-13
A	US 4 807 183 A (NISHIZAWA TEIJI ET AL) 21 February 1989 (1989-02-21) abstract -----	1-13
A	WO 01/31516 A (MENTOR GRAPHICS CORP) 3 May 2001 (2001-05-03) abstract -----	1-13
A	EP 0 919 938 A (QUICKTURN DESIGN SYSTEMS INC) 2 June 1999 (1999-06-02) abstract -----	1-13
A	CONNER D: "RECONFIGURABLE LOGIC" EDN ELECTRICAL DESIGN NEWS, CAHNERS PUBLISHING CO. NEWTON, MASSACHUSETTS, US, vol. 41, no. 7, 28 March 1996 (1996-03-28), pages 53-56, 58, 60,, XP000592126 ISSN: 0012-7515 abstract page 60, column 2, paragraph 2 -----	1-13
A	US 5 056 014 A (BURROWS JAMES L) 8 October 1991 (1991-10-08) abstract column 1, paragraph 5 column 2, paragraph 3 -----	1-13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

T/IB2004/002466

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0651343	A	03-05-1995	EP 1462964 A2	29-09-2004
			EP 0651343 A1	03-05-1995
			AT 131643 T	15-12-1995
			AT 265712 T	15-05-2004
			AU 4347189 A	01-05-1990
			DE 68925121 D1	25-01-1996
			DE 68925121 T2	13-06-1996
			DE 68929518 D1	03-06-2004
			EP 0437491 A1	24-07-1991
			JP 3162681 B2	08-05-2001
			JP 2000036737 A	02-02-2000
			JP 2000151387 A	30-05-2000
			JP 3162687 B2	08-05-2001
			JP 2000236249 A	29-08-2000
			JP 4502985 T	28-05-1992
			JP 3060018 B2	04-07-2000
			JP 3281352 B2	13-05-2002
			JP 2000236250 A	29-08-2000
			JP 3354143 B2	09-12-2002
			JP 2002189766 A	05-07-2002
			WO 9004233 A1	19-04-1990
			US 6002861 A	14-12-1999
			US 5452231 A	19-09-1995
			US 5448496 A	05-09-1995
			US 5036473 A	30-07-1991
			US 5612891 A	18-03-1997
			US 5657241 A	12-08-1997
			US 5661662 A	26-08-1997
			US 5734581 A	31-03-1998
			US 5812414 A	22-09-1998
			US 5796623 A	18-08-1998
US 5448496	A	05-09-1995	US 5036473 A	30-07-1991
			US 6002861 A	14-12-1999
			US 5452231 A	19-09-1995
			US 5612891 A	18-03-1997
			US 5657241 A	12-08-1997
			US 5661662 A	26-08-1997
			US 5734581 A	31-03-1998
			US 5812414 A	22-09-1998
			US 5796623 A	18-08-1998
			CA 2025096 A1	05-04-1991
			AT 131643 T	15-12-1995
			AT 265712 T	15-05-2004
			AU 4347189 A	01-05-1990
			DE 68925121 D1	25-01-1996
			DE 68925121 T2	13-06-1996
			DE 68929518 D1	03-06-2004
			EP 1462964 A2	29-09-2004
			EP 0437491 A1	24-07-1991
			EP 0651343 A1	03-05-1995
			JP 3162681 B2	08-05-2001
			JP 2000036737 A	02-02-2000
			JP 2000151387 A	30-05-2000
			JP 3162687 B2	08-05-2001
			JP 2000236249 A	29-08-2000
			JP 4502985 T	28-05-1992
			JP 3060018 B2	04-07-2000

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PCT/IB2004/002466

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5448496	A		JP 3281352 B2	13-05-2002
			JP 2000236250 A	29-08-2000
			JP 3354143 B2	09-12-2002
			JP 2002189766 A	05-07-2002
			WO 9004233 A1	19-04-1990
US 4807183	A	21-02-1989	NONE	
WO 0131516	A	03-05-2001	AU 6491400 A	08-05-2001
			EP 1226526 A2	31-07-2002
			JP 2003527674 T	16-09-2003
			WO 0131516 A2	03-05-2001
EP 0919938	A	02-06-1999	US 6289494 B1	11-09-2001
			EP 0919938 A2	02-06-1999
			JP 11239053 A	31-08-1999
			US 2002095649 A1	18-07-2002
US 5056014	A	08-10-1991	NONE	